

FIG. 1A

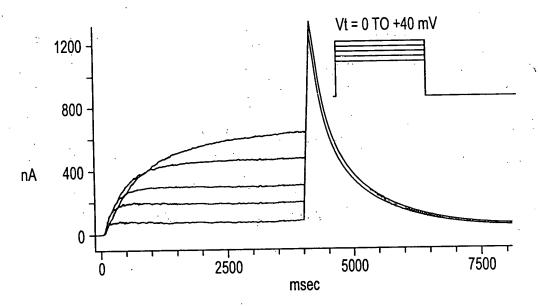
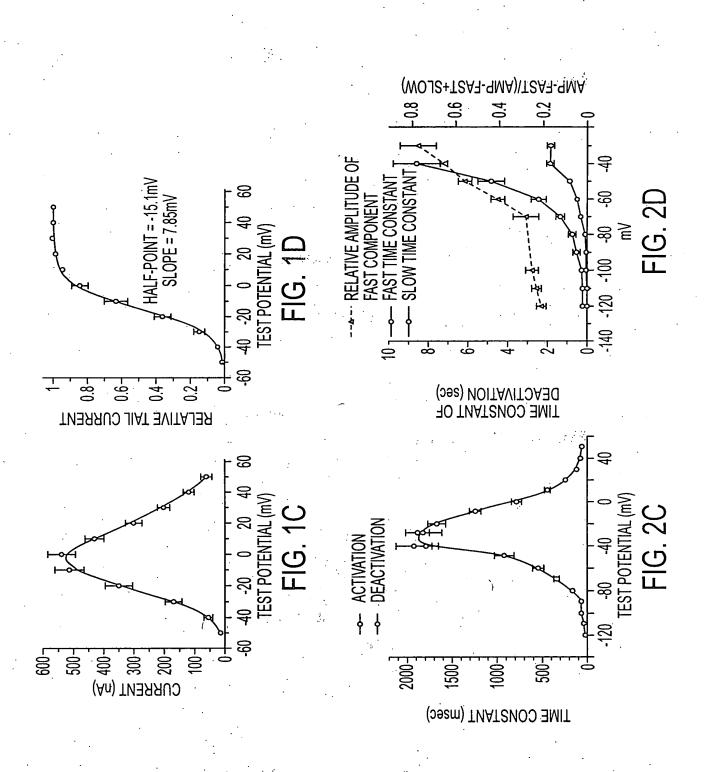
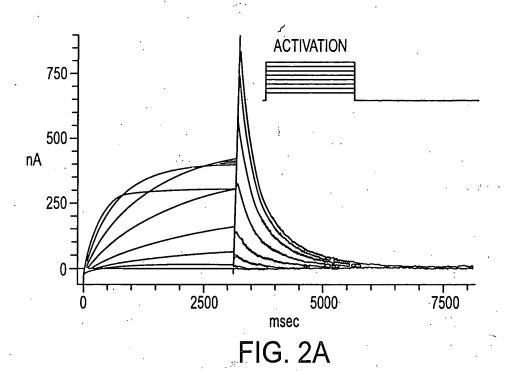
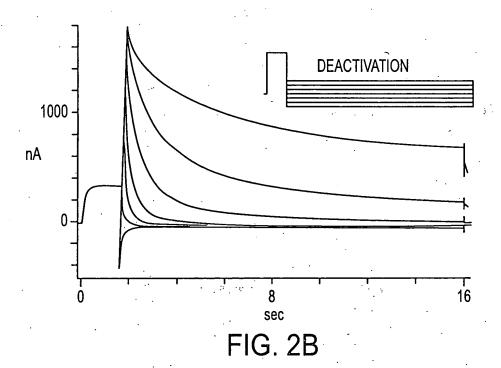
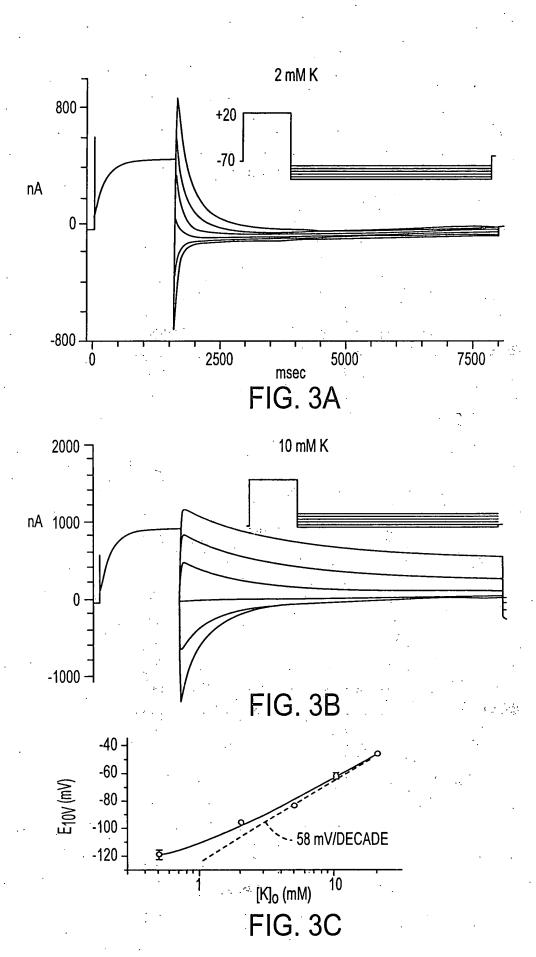


FIG. 1B

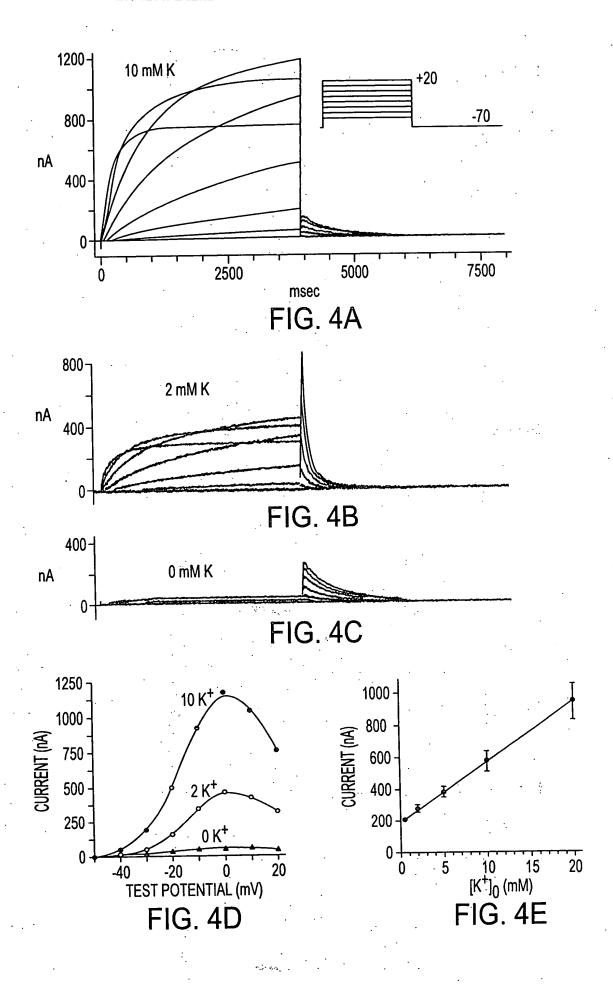


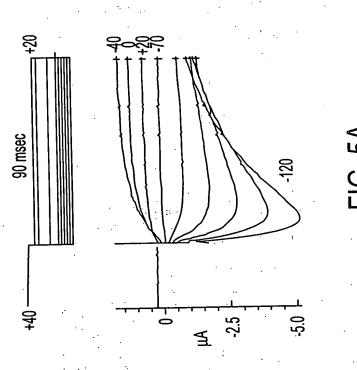


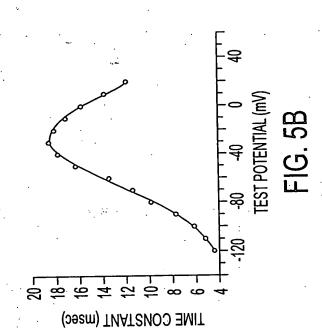


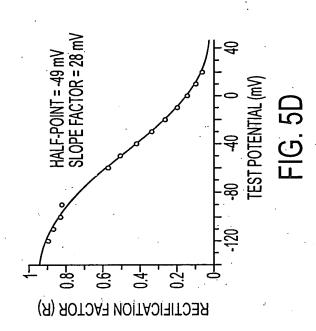


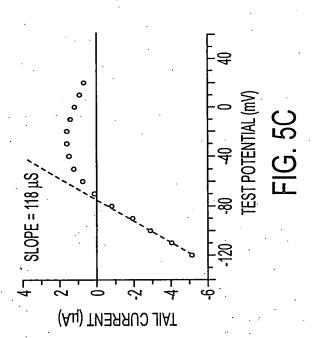
Autations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 5 of 21 sheets



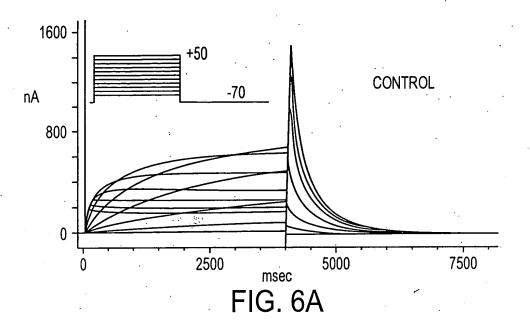


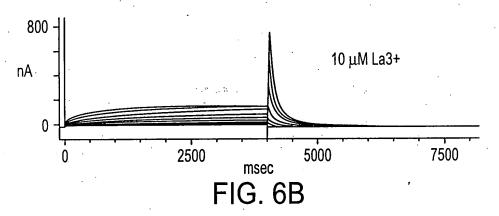


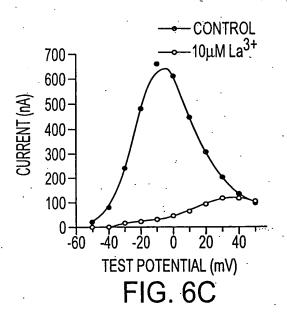


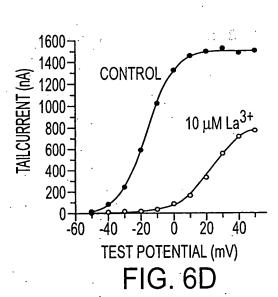


Autations in and Génomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 8 of 21 sheets

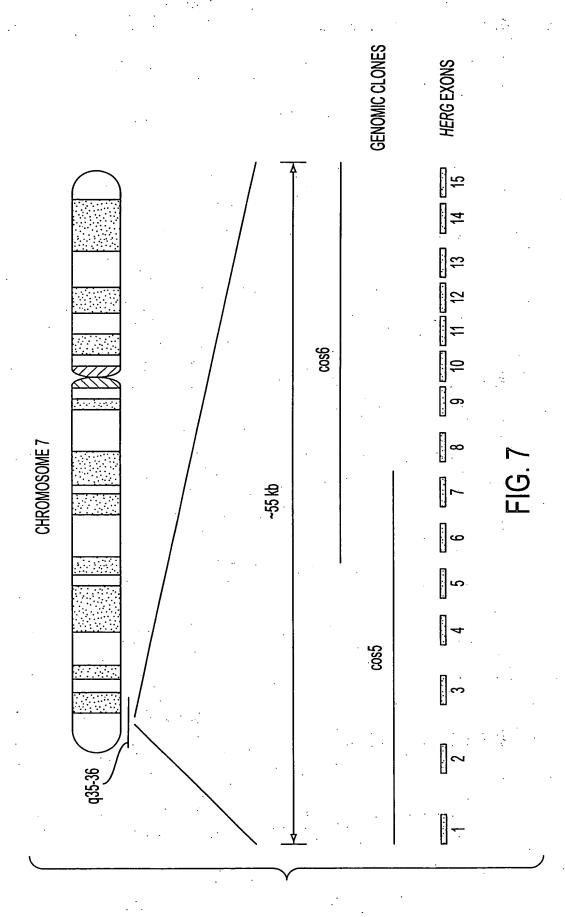




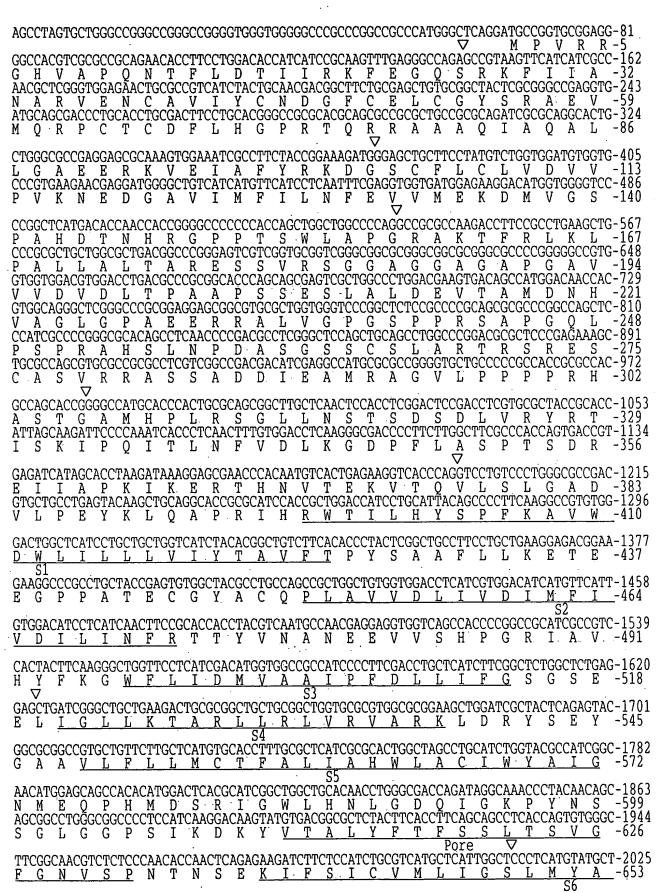




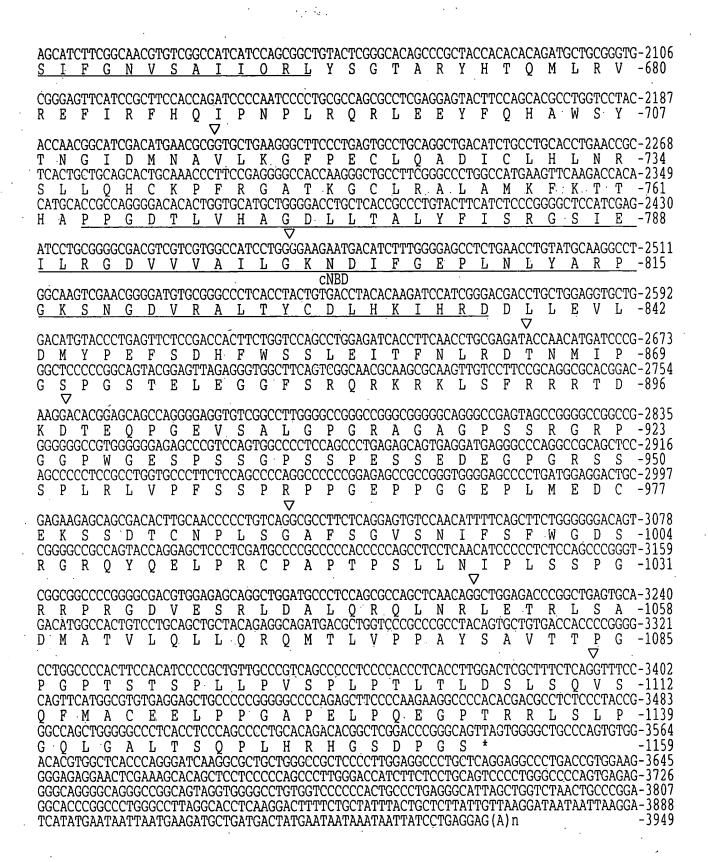
Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene
Mark T. KEATING et al., inventors
Continuation SN (to be assigned), filed 10/30/2003
Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 9 of 21 sheets

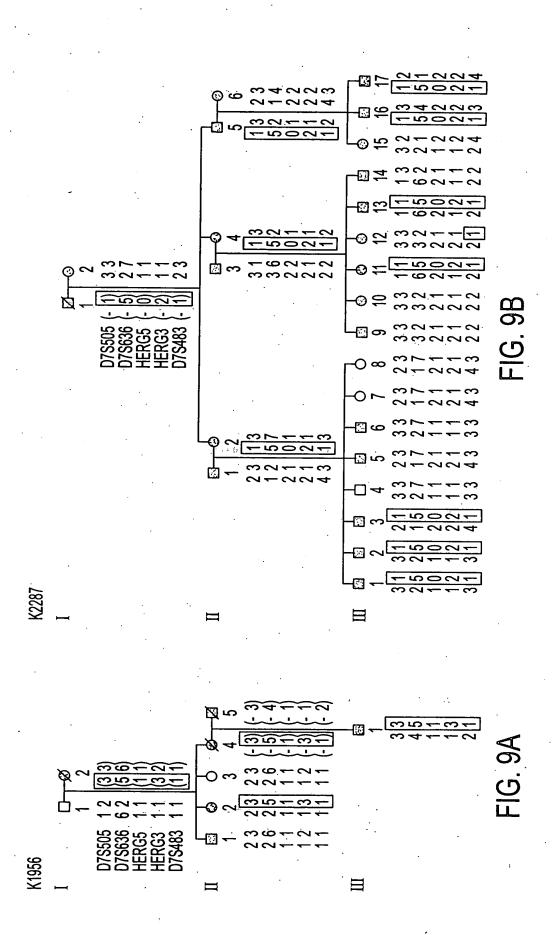


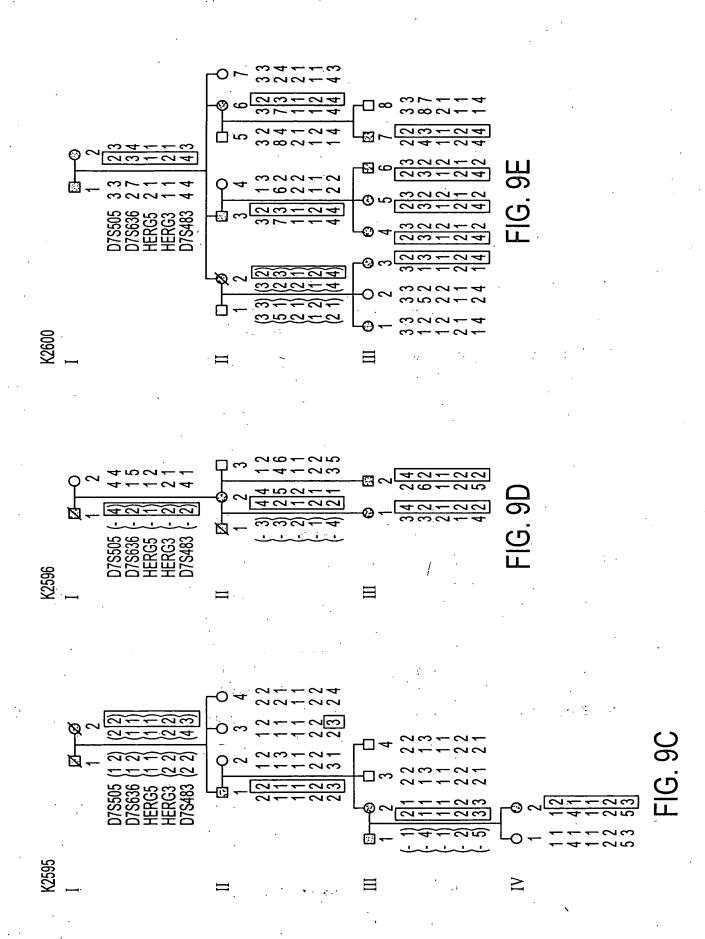
Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 10 of 21 sheets

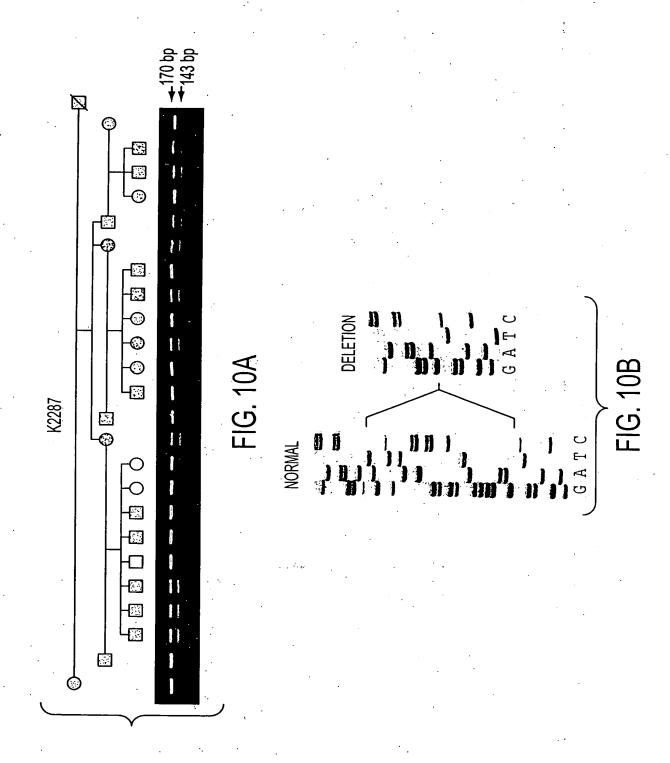


Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 11 of 21 sheets









Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 15 of 21 sheets

96 97			SEQ ID NO:98 SEQ ID NO:99	SEQ ID NO:100 SEO ID NO:101
NO:96 NO:97			GAG E	
SEQ ID	٠.	-	AAG K	
SS SS			CTG L	TCC TGC TGA
ຍຸ	4 .		CTG	ည္ညို ပ
CTG CTC L L			TTC F	ည်
C GAC C'			GCC	[] []
[일] 명 _			GCT A	CTG
TTC CTC ATC GAC ATG GTG GCC GCC ATC CCC TTC GAC F L I D M V A A I P F D	()		ည်	CAC CCT ACT CGG CTG CCT
ည္ျ	FIG. 10C		TAC	ACT
A A	(5)		A CCC I	CCT
300 G			ACA T	. GA H
TG G			TTC	TCA
F.T.G			GTC TTC ACA (TCT
AC A			GCI A	TAC CGG CTG TCT TCA Y R L S S
I C			ACG T	8 ~
I.	.	•	TAC	TAC
ال 13 م			ATC I	ATC I
TGG T W	 	e e e e e e e e e e e e e e e e e e e	GTC	GTC V
	•		NORMAL	DELETION

FIG. 11C

Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 16 of 21 sheets

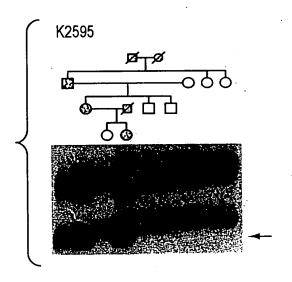


FIG. 11A

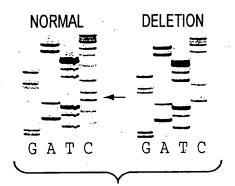
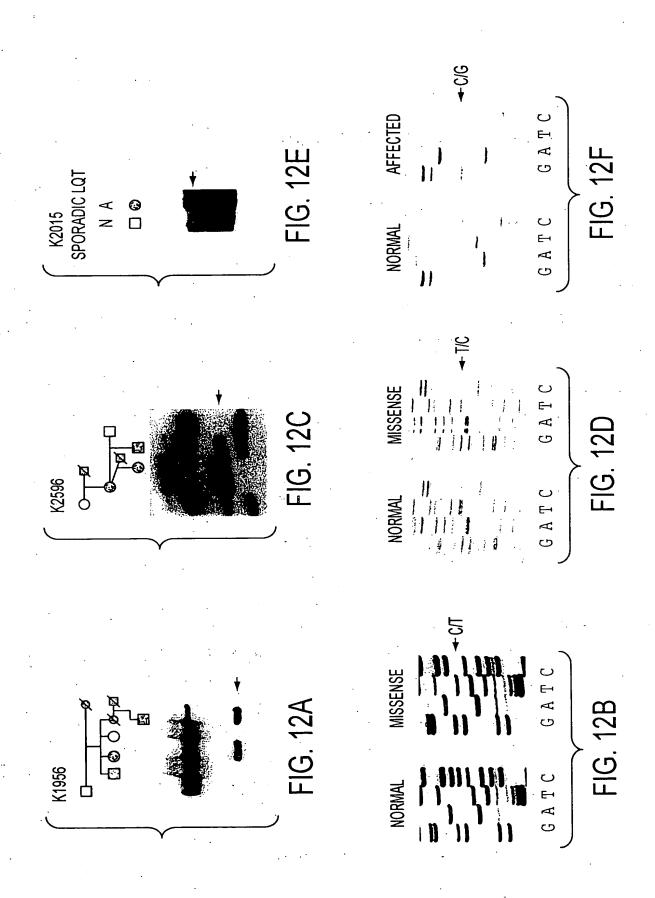
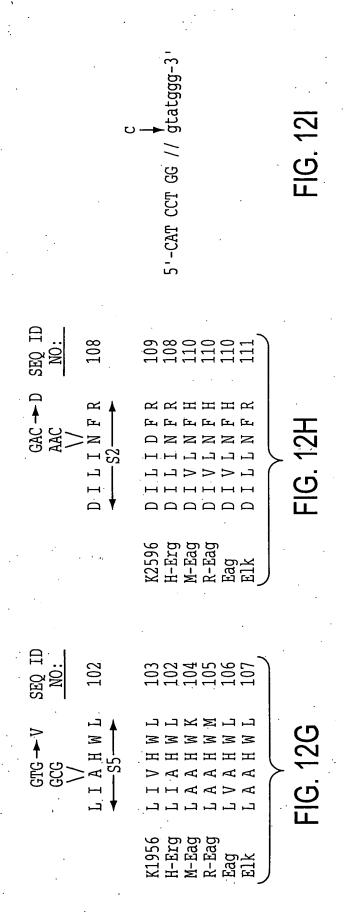
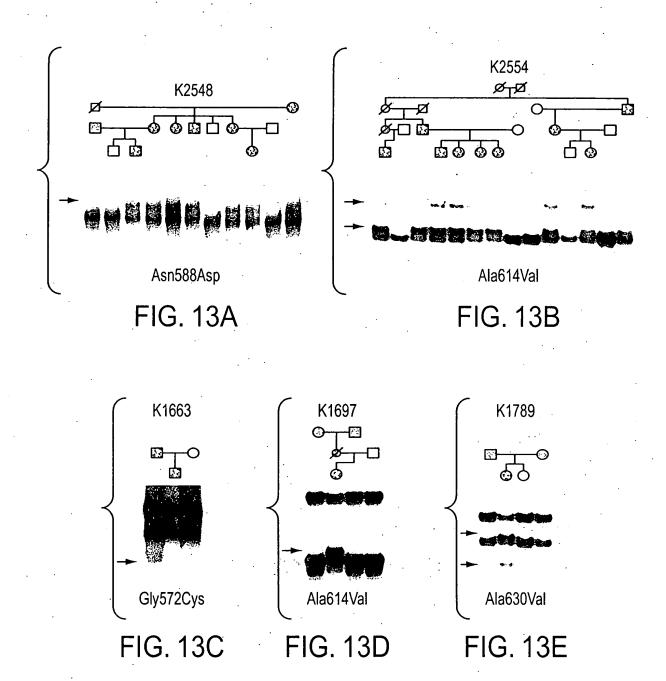


FIG. 11B







Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors Continuation SN (to be assigned), filed 10/30/2003 Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 20 of 21 sheets

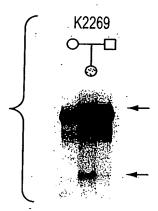
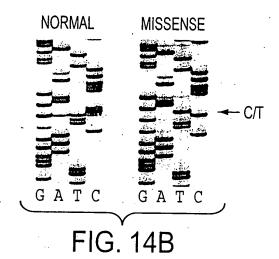


FIG. 14A



	•					
- .	AGC → S GGC	SEQ ID NO:				
	S V G F G N V S	112				
K2269 H-Erg M-Eag R-Eag Eag Elk Shaker	S V G F S N V S S V G F G N V S S V G F G N I A S V G F G N I A S V G F G N V A S V G F G N V S T V G Y G D M T	113 112 114 114 115 112 116				
FIG. 14C						

Mutations in and Genomic Structure of HERG - A Long QT Syndrome Gene Mark T. KEATING et al., inventors
Continuation SN (to be assigned), filed 10/30/2003
Atty. Docket 2323-164 (Cont. of 2323-156) - sheet 21 of 21 sheets

 $\begin{matrix} 1 & I & I & I & I \\ 1.35 & 2.4 & 4.4 & 7.5 & 9.5 \end{matrix}$

HEART
BRAIN
PLACENTA
LUNG
LIVER
SKELETAL MUSCLE
KIDNEY
PANCREAS

ΚB

FIG. 15